

Appl. No. 10/671,626
Amendment dated June 8, 2006
Reply to OA of February 8, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Cancelled)
2. (Currently amended) A fluorescent display device wherein light is emitted by impinging a low speed electron beam on a phosphor layer formed on an anode, wherein the phosphor layer comprises a phosphor and a compound containing at least one of P, K and Na ~~and a compound containing W~~.
3. (Cancelled)
4. (Currently amended) A fluorescent display device wherein light is emitted by impinging a low speed electron beam on a phosphor layer formed on an anode, wherein the phosphor layer comprises a compound selected from the group consisting of K_3PO_4 , P_2O_5 , $NaPO_3$ and Na_2SiO_3 , the compound being added in an amount of 0.01 to 10.00 wt% to the phosphor layer, and another compound containing W.
5. (Previously presented) The device of claims 2 or 4, wherein the phosphor layer is a compound containing at least one selected from the group consisting of a (Zn,Mg)O system phosphor, a ZnO:Zn phosphor, $Ln_2O_2S:Re$ (wherein Ln is La, Gd or Lu; and Re is Eu or Tb), $ZnGa_2O_4$ and $ZnGa_2O_4:Mn$.

6. (Currently amended) A phosphor paste comprising:

a phosphor containing at least one selected from the group consisting of a (Zn,Mg)O system phosphor, ZnO:Zn, $\text{Ln}_2\text{O}_2\text{S:Re}$ (wherein Ln is La, Gd or Lu; and Re is Eu or Tb), ZnGa_2O_4 and $\text{ZnGa}_2\text{O}_4\text{:Mn}$; and

a compound containing at least one selected from the group consisting of K_3PO_4 , P_2O_5 , NaPO_3 and Na_2SiO_3 ,

wherein the compound being added in an amount of 0.01 to 10.00 wt% to the phosphor.

7. (Currently amended) A phosphor paste comprising:

a phosphor containing at least one selected from the group consisting of a (Zn,Mg)O system phosphor, ZnO:Zn, $\text{Ln}_2\text{O}_2\text{S:Re}$ (wherein Ln is La, Gd or Lu; and Re is Eu or Tb), ZnGa_2O_4 and $\text{ZnGa}_2\text{O}_4\text{:Mn}$;

a compound containing at least one selected from the group consisting of K_3PO_4 , P_2O_5 , NaPO_3 and Na_2SiO_3 , wherein the compound being added in an amount of 0.01 to 10.00 wt% to the phosphor; and

another compound containing W.

8. (Previously presented) A phosphor paste comprising:

a phosphor;

a first compound containing at least one of P, K and Na; and

a second compound containing W.

9. (Currently amended) The phosphor paste of claim 8, wherein the first compound is selected from the group consisting of K_3PO_4 , P_2O_5 , NaPO_3 and Na_2SiO_3 , the compound being added in an amount of 0.01 to 10.00 wt% to the phosphor.